Industrial BLDC Motor Drive Interface Module

DESCRIPTION
BLDC can be replaced with excising motors such as induction motor, DC motors. BLDC provide much more efficiency (up to 75 – 80%) comparing other motors. Our BLDC driver can able to drive motors on a wide range of voltage from 24 – 450 VDC, and speed control of the motor can be controlled very easy and linear from a HMI or can be wireless.

SPECIFICATIONS

Interface Support:
HMI - RS 485, RS232 and Wireless

Power Supply:
Voltage : 24- 450 VDC
Power Max : 1500 Watts (Depends upon requirement can increase)

Communication:
Wired Communications - RS485, RS232, Ethernet.
Wireless Communications - WiFi, GPRS.
Wireless Protocol Support - MQTT, HTTP.

Protection features:
Over voltage and under voltage protection.
Over current protection.
Commutation error.
Lock rotor protection.

Physical Parameters:
Operating temperature - 0 to 85 degree Celsius
Storage temperature - 0 to 85 degree Celsius

Enclosure:
Grade : Sheet Metal with high quality Heat sink.

KEY HIGHLIGHTS
1. High Power
2. HMI Compatible
3. Less Heat dissipated
OPTIONAL FEATURE
1. User interface for the solution
2. HMI Compatible
3. RS 485, Ethernet
4. Wireless module

APPLICATIONS
1. CNC machine Application
2. Air Compressors and pumps
3. Fans, air conditioners, and other kitchen appliances.
4. Hand power tools
5. Automotive HVAC (Heating Venting and Air-Conditioning)
6. Power steering, windshield wiper motors and more.